

中国沙拐枣属新植物*

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FOUR NEW SPECIES OF CALLIGONUM IN CHINA

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Key words *Calligonum jeminaicum*, *C. trifarium*, *C. yengisaricum*, *C. korlaense*

关键词 吉木乃沙拐枣, 三列沙拐枣, 英吉莎沙拐枣, 库尔勒沙拐枣

本文报道藜科沙拐枣属刺果组 Sect. *Medusae* Sosk. et Alexand. 的 4 个新种。

1. 吉木乃沙拐枣 新种 图 1

Calligonum jeminaicum Z. M. Mao, sp. nov.

Frutex parvus 50 cm altus, a basi ramosus. Calyx fructifer reflexus. Fructus 10—12 mm longus, fere orbicularis; achaenium oblongo-ovatum apicem versus attenuatum, 8—10 mm longum, leviter tortum; costis non prominentibus, sulcis non profundis; setae biserialatae, tenuissimae, luteae, basin versus non latae, liberae, in parte infertore 2—3 bifurcatae.

Species affinis *C. pellucido* N. Pavl. et *C. mongolico* Turcz., a priore setis basi non dilatatis, liberis, calycibus reflexis; a posteriore costis non prominulis et sulcis non profundis; setis basi non dilatatis, liberis differt.

Xinjiang: Jeminay (吉木乃) Southern 45 Km, desert, 12 VII 1979, Mao Zu-mei (毛祖美) 211 (Typus, XJBI; Isotypus, PE); Jeminay, 12 VII 1979, Mao Zu-mei 216; Jeminay, 12 VII 1979, Mao Zu-mei 219.

本种和 *C. pellucidum* N. Pavl. 及 *C. mongolicum* Turcz. 相近。与前者的区别是本种的刺基部不扩大, 分离; 花被反折。与后者区别, 本种在于果肋不突出, 槽也不深; 刺的基部不扩大, 分离。

2. 三列沙拐枣 新种 图 2

Calligonum trifarium Z. M. Mao, sp. nov.

Frutex 30—80 cm altus. Fructus late ovoideus, 10—21 mm longus; achaenium tortum, oblongo-ovoideum, costis non prominentibus, sulcis non profundis; setae densae et firmae, in costa triseriales vel biserialae, basi non dilatatae, liberae, ad medium longitudinis sui bis dichotome vel trichotome ramosae.

Species affinis *C. ebi-nurico* Ivanova ex Sosk., sed setis triserialibus vel biserialibus, densis et firmis differt.

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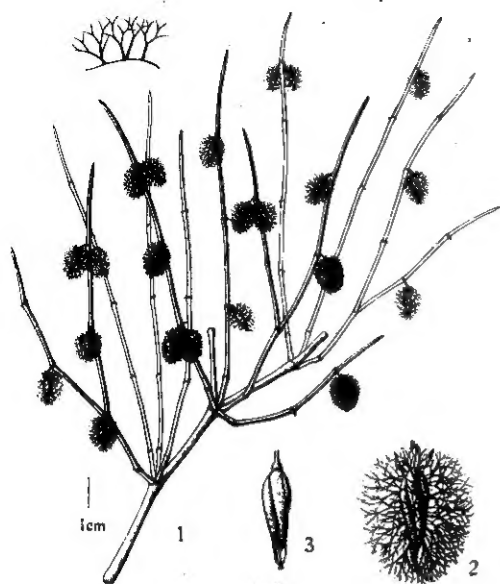


图1 吉木乃沙拐枣 *Calligonum jeminaicum* Z. M. Mao 1.果枝 Fruiting branch; 2.果实 Fruit; 3.瘦果 Achene; 4.果刺 Fruit spine.



图2 三列沙拐枣 *C. trifarium* Z. M. Mao 1.果枝 Fruiting branch; 2.果实 Fruit; 3.瘦果 Achene; 4.果刺 Fruit spine.

Xinjiang: Jinghe (精河), rocky desert, 18 VI 1978, Mao Zu-mei (毛祖美) 4 (Typus, XJBI); Jinghe, between Jinghe and Wutai (五台), desert, alt. 520m., 2 VII 1965, Xu Wen-you et al. (徐文友等) 0027; Jinghe Shachuan Ze (沙泉子), alt. 500m, 27 VI 1960, Liu Kue-jun (刘国钧) 00444.

本种与 *C. ebi-nuricum* Lvanova ex Sosk. 接近, 区别在于本种果肋 3 行或 2 行刺, 刺稠密且硬。

3. 英吉莎沙拐枣 新种 图 3

Calligonum yengisaricum Z. M. Mao, sp. nov.

Frutex parvus 30—50 cm altus; cortex ramorum juveniorum luteus vetustate cinereus. Calyx fructifer reflexus. Fructus ovalis, 7—9 mm longus; achaenium ovale, tortum, costis prominulis, sulcis profundis; setae rariae et firmiae in costa eadem uniseriales, basi latiores sed liberae, ad medium longitudinis sui bis dichotome vel trichotome ramosae, ramuli terminales breves acutique.

Species similis *C. roborovskii* A. Los., sed setis uniseriatis differt.

Xinjiang: Yingisar (英吉沙), between Yingisar and Shache (莎车), Gobi, alt. 1400 m., 26 VI 1974, Xizang Exped. of North-western plateau Institute of Biology, Academia Sinica (中国科学院西北高原生物研究所, 西藏考察队) 3308; (Typus, XJBI); Yingisar southern 60 Km., rocky alluvial fan, alt. 1380m., 12 VII 1959, Li An-jen and Zhu Ja-nan (李安仁、朱家桢) 9848; Yecheng (叶城县) Luohe (洛河), Gobi, alt. 1450 m, 26 VI 1974, Xizang Exped. of North-western plateau Institute of Biology, Academia Sinica

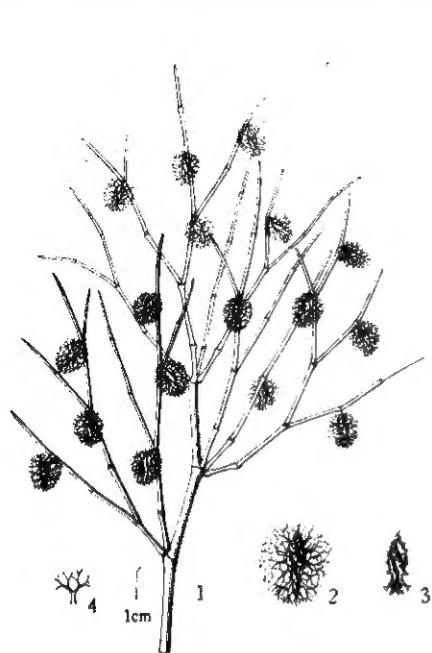


图3 英吉莎沙拐枣 *C. yengisaricum* Z. M. Mao
1.果枝 Fruiting branch; 2.果实 Fruit; 3.瘦果 Achene; 4.果刺 Fruit spine.

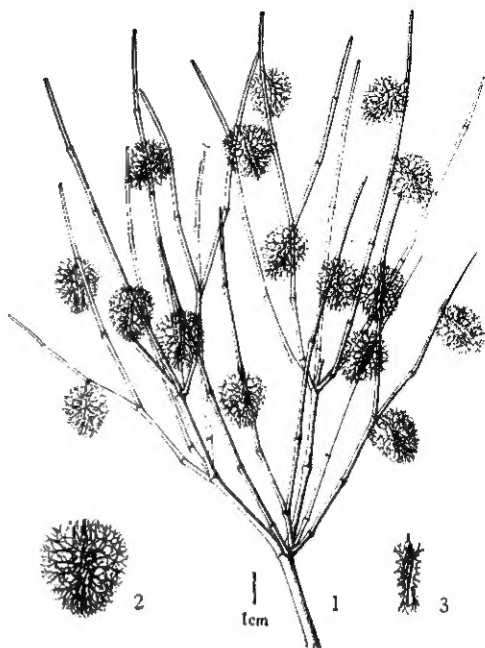


图4 库尔勒沙拐枣 *C. korlaense* Z. M. Mao 1.果枝 Fruiting branch; 2.果实 Fruit; 3.瘦果 Achene.

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本种与 *C. roborovskii* A. Los. 相近, 本种以果肋具 1 行刺可以区别。

4. 库尔勒沙拐枣 新种 图 4

***Calligonum korlaense* Z. M. Mao, sp. nov.**

Frutex, ramis longis, cortice albido. Calyx fructifer reflexus. Fructus late ovoideus, 16—18 mm longus; achaenium tortum, costae valde prominentes acutae. sulcis profundis; setae raras, nucis latitudinem parum superantes, secus medium costarum in vallo prominulo uniseriales liberae, basin versus parum latiores, sui ter bi- vel trifurcati, ramuli terminales breves.

Species affinis *C. ferganensi* N. Pavl., sed setis uniseriatis differt.

Xinjiang: Korla (库尔勒), 20 V 1979, Mao Zu-mei (毛祖美) 32 (Typus, XJBI); between Luntai (轮台) and Korla, the lower alluvial fan, alt. 900m., 30 VIII 1958, Li An-jen and Zhu Jia-nan (李安仁、朱家桢) 8120。

本种与 *C. ferganense* N. Pavl. 相近, 区别在于本种的果肋具 1 行刺。